

STATE OF ILLINOIS  
ILLINOIS COMMERCE COMMISSION

**COPY**  
**RECEIVED**  
SEP 3 2003

Petition for permission to make a major change in crossing protection, or to install new protection under 92 Illinois Administrative Code 1535.400 (d).

Illinois Commerce Commission  
RAIL SAFETY SECTION

X-12035

Date: September 02, 2003

703-0041

To the ILLINOIS COMMERCE COMMISSION:

The petitioner Norfolk Southern Railway Company shows

- (1) That it is a railroad company operating a line of railroad in the State of Illinois.
- (2) That petitioner proposes and hereby makes application for authority to make a major change in crossing protection, or to install new protection, under 92 Illinois Administrative Code 1535.400 (d) adopted by this Commission.
- (3) That the location of the crossing, nature of protection now established and proposed to be established, and other pertinent facts in connection therewith, are set forth in the statement attached to and forming part of this petition.
- (4) That petitioner's reasons and purpose, with reference to its said proposal are to:

Modification of Grade Crossing Warning Devices requested by Illinois Commerce Commission

at: Main Street in Mt. Olive, Macoupin County, Illinois, DOT: 480 075W, MP. D-444.74

File No. 061-04.437


Project No. 04.0392

- (5) That the facts set forth in this petition and in the statement and plans or plats attached thereto, are, all of them, true and correct to the best of petitioner's knowledge and belief.

**WHEREFORE, the petitioner prays that the Commission will, if deemed desirable by the Commission, set the aforesaid matter for hearing, and that the Commission enter an order or adopt a resolution consenting to and granting authority for the making of the said proposed changes in or additions to crossing protection.**

Norfolk Southern Railway Company

By



R. H. Ray, Administrator  
Highway Grade Crossings

Thomas W. Ambler  
(Attorney for Petitioner)

Norfolk Southern Corporation  
Three Commercial Place  
Norfolk, VA 23510-2191

(Attorney's Address)

**DOCKETED**

**Statement, attached to and part of an application for permission to make a major change in crossing protection or to install new protection, under 92 Illinois Administrative Code 1535.400(d).**

1. Name of Railroad Company Norfolk Southern Railway Company
2. Crossing Number 480 075W
3. Village or City Mt. Olive
4. Name of Street or Highway Main Street
5. Public Agency Maintaining Highway City
6. Protection now established:  
Automatic Flashing Light Crossing Signal with Bell.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
7. Protection desired:  
Modify grade crossing warning devices to Flashing Light Crossing Signals with Gates and Bell  
Controlled by Constant Warning Time Detection Equipment.  
\_\_\_\_\_  
\_\_\_\_\_
8. Number of main tracks One Other tracks None
9. Number of passenger movements:  
6 a.m. to 6 p.m. None 6 p.m. to 6 a.m. None
10. Number of freight train movements:  
6 a.m. to 6 p.m. Seven 6 p.m. to 6 a.m. Nine
11. Approximate number of switch movements:  
6 a.m. to 6 p.m. One 6 p.m. to 6 a.m. One
12. Maximum speed of trains at crossing on each track in each direction:  
North/East 60 M.P.H.  
South/West 60 M.P.H.
13. Passenger platforms served by tracks within the limits of track circuits, if any None

14. Where automatic signals or gates are proposed, approximate number of train or engine movements daily which would cause false indications or operation:

None

15. Nature and approximate amount of street or highway traffic over crossing:

1.850 AADT

16. In addition to the information listed hereinbefore in Form 3, attach a track plan or plat of the proposed crossing. This plan should show:

- (a) Width and surface of highway.
- (b) Highway intersections (including private driveways to be so indicated) and location of established highway signs or signals within 100 feet of crossing.
- (c) Location of tracks, switches and other railroad facilities such as block signals, etc. within limits of track circuits, present and/or proposed.
- (d) Where automatic protection is proposed, show proposed location of signals (side lights, cantilevers, etc., if any).
- (e) Show the length of each operating track section within the control limits of the crossing protection and its function.

#### **ADDITIONAL INFORMATION**

Drawing attached for question no. 16

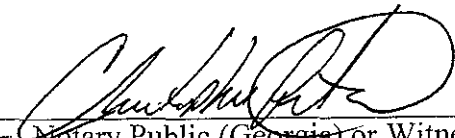
(File Original and Two Duplicates)

VERIFICATION

I, R. H. Ray, first being duly sworn upon oath depose and say that I am  
Administrator – Highway Grade Crossings, of Norfolk Southern Railway Company, a  
Virginia corporation; that I have read the above and foregoing petition by me subscribed and know the  
contents thereof; that said contents are true in substance and in fact, except as to those matters stated upon  
information and belief, and as to those, I believe same to be true.

  
Administrator - Highway Grade Crossings

Subscribed and sworn to before me this 02 th.  
day of September 20 03.

  
Notary Public (Georgia) or Witness

My Commission Expires: \_\_\_\_\_

Detailed Estimate for Grade Crossing Warning Devices

City/State: MT. OLIVE, IL  
MilePost: D-444.74  
State Proj. No.:  
S&E Proj. No.: 04.0392  
Man Days: 64

Road: MAIN ST.  
DOT/AAR: 480075W  
County: MACOUPIN  
AFE: F01622  
File Number: 061-04.437

**\*\*\*Purchases - Other\*\*\***

Meals and Lodging:	\$5,300.00	
Rental of Equipment:	\$11,590.00	
(2 Trucks, 1 Backhoe w/ Trailer and 1 Pipe-Pusher for 16 Days)		
Construction Supervision Vehicle:	\$220.00	
Contingencies:	\$530.00	
Purchases - Other Total:		\$17,640.00

**\*\*\* Material and Additives\*\*\***

Material Cost:	\$24,310.00	
Sales and Use Tax:	\$1,220.00	
Material Handling Freight:	\$2,310.00	
Material Total:		\$27,840.00

**\*\*\*Labor and Additives\*\*\***

Labor Cost:	\$13,630.00	
(4 man crew at \$852.00 a day for: 16 days)		
Payroll Tax & Overheads:	\$11,800.00	
Preliminary Engineering:	\$3,340.00	
Construction Supervision:	\$3,850.00	
Labor Total:		\$32,620.00
Subtotal:		\$78,100.00
Credit:	\$0.00	
(Salvage/Scrap)		
Project Total:		\$78,100.00

Estimated on: 02-Sep-03

Estimated by: ndr3j

**Estimate valid for 1 year from date of estimate**



Highway Crossing Signalization Program - Material List

Do not substitute items without permission from S & E Engineering

City:	MT. OLIVE
Road:	MAIN ST.
Milepost:	D-444.74
Drawing Number:	BKDS44474
State Project Number:	
County:	MACOUPIN
A A R Number:	480075W
Project Number:	04.0392
File Number:	061-04.437
A F E Number:	F01622
Store Number:	06830
Supervisor:	L.W. HIMSTEDT
Tax Code:	1200
Vendor to supply the following copies after pricing: 1 Set - Material Management with original invoice 2 Sets - with plans shipped in car with material 1 Set - S&E Gen. Supt. Construction w/ copy of invoice	

02-Sep-03

Location: MT. OLIVE		IL	S&E Proj. No.: 04.0392		AFE No.: F01622	Drawing No.: BKDS44474	Page 1/4			
Store No.: 06830		P.O. Number:			Date Required:	Date Shipped:	Vendor: SW Signal Engineering Company			
Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed		Quantity Returned (Credit)	Special Instructions
							Date Quan.	Date Quan.		
3	670-360693-4	EA	\$4.82	\$14.46	AAR/DOT NUMBER PLATE/DECAL,ORDER 3 PER PROJECT. 60 DAY LEAD TIME. SUPPLIED BY S'TRAN					
2	670-001404-4	EA	\$326.77	\$653.54	ARM, GATE FIBERGLASS-ALUMINUM 25-31 FT. L&W OR US&S OR SAFETRAN 076600-320017 OR					
7	105-871901-4	EA	\$154.22	\$1,079.51	BATTERY,GNB 265AH MODEL 50A11 SINGLE CELL 2.25 VOLTS					
1	670-503047-4	EA	\$185.75	\$185.75	BELL, CROSSING ELECTRONIC GENERL SIGNAL, EB-3-360-5 CR 02-044350					
4	670-058281-4	EA	\$11.25	\$44.99	BLOCK, UNIVERSAL TERMINAL OF 12 SINGLE POST SAFETRAN 023390-11X, W-C 2508-112E W-NUTS & WASHERS CR 02-048757					
2	670-980689-4	EA	\$63.71	\$127.41	BRACKET HIGH WIND, (RIGID 3"), WIG- 191036, WALRUS TUSK TYPE					
2	670-561375-4	EA	\$1,201.20	\$2,402.40	BRACKET, GATE SAVER, NEG385102GS, SPRING LOADED SWING AWAY ADAPTER FOR FIBERGLASS/ALUMINUM GATES, USE WITH GATE 28' AND LESS					
1	670-016354-4	EA	\$29.51	\$29.51	BRACKET, RELAY FOR WALL MOUNTING ONE B-1 PLUG-IN IN RELAY SAFETRAN# 420000-51X					
300	465-292862-4	LF	\$1.00	\$300.87	CABLE, U-2-6 TWISTED, S-23 OKONITE 113-12-3933 SOLID TINNED CONDUCTOR					
300	465-292945-4	LF	\$1.35	\$405.27	CABLE, U-5-14, S-54 OKONITE 206-14-6885					
300	465-292929-4	LF	\$3.00	\$899.58	CABLE, U.G. 5 COND. NO. 6 AWG SOLID COPPER CABLE TO MEET NS CORP. SPEC. FOR SIGNAL					
300	465-939422-4	LF	\$2.56	\$767.55	CABLE, UG 12 CONDUCTOR NO 14 AWG SOLID EACH CONDUCTOR WITH 5/64 IN INSULATION 10 MIL					
80	165-544477-4	FT	\$2.00	\$159.65	CONDUIT, 4"x10' PVC, SCHEDULE 80 BELL CONNECTOR AT ONE END, 1/2 PT. GLUE IN KIT 670-123298-4					
30	670-100000-4	EA	\$2.00	\$60.00	CONDUIT, PRE-EMPTION - STATE OF ILLINOIS, 4" x 10' PVC					
APPROVED BY STATE						APPROVED BY RAILROAD		CAR NUMBER		SEAL NUMBER

Location: MT. OLIVE		IL	S&E Proj. No.: 04.0392		AFE No.: F01622	Drawing No.: BKDS44474		Page 2/		
Store No.: 06830		P.O. Number:		Date Required:		Date Shipped:		Vendor : SW Signal Engineering Company		
Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed		Quantity Returned (Credit)	Special Instructions
2	670-090450-4	EA	\$49.62	\$99.25	CONNECTOR,WELDED FAR RAIL HARMON A1000-2W		Date Quan.	Date Quan.		
2	670-486646-4	EA	\$40.66	\$81.32	CONNECTOR,WELDED NEAR RAIL HARMON A1000-1W					
2	670-689122-4	EA	\$1,004.56	\$2,009.12	COUNTERWEIGHT PKAGE, 32-41"GATE S'TRAN S- MECH ONLY, STAINLESS, TO INCLUDE HUB, SUPPORT ARMS					
5	670-760012-4	EA	\$34.90	\$174.49	COVER, FOR 1WAY FLASHING LIGHT ASSY. 18 OZ. BLACK VINYL COATED NYLON. =====TO COVER 2 LAMPS=====					
3	670-080337-4	EA	\$0.73	\$2.18	DECAL, X'ING SIGNAL MALFUNCTION 11" X 4", GATE MOUNT					
3	670-077544-4	EA	\$0.54	\$1.63	DECAL, X'ING SIGNAL MALFUNCTION 6" X 6", MAST MOUNT					
1	670-986650-4	EA	\$361.26	\$361.26	DISPOSAL, CONSTRUCTION DEBRIS AND CLEANING X'ING EQUIPMENT CONTAINER					
2	670-001488-4	EA	\$91.71	\$183.41	EXTENSION, GATE ARM FIBERGLASS-ALUMINUM 8 FT. SAFETRAN 076262-8X					
2	670-000003-4	EA	\$255.85	\$511.70	FILL/STONE #57, QUANTITY IS BASED ON TRUCK LOAD PLUS DELIVERY COST					
2	670-015231-4	EA	\$381.69	\$763.37	FOUNDATION,DIXIE,S-2 GATE 56" ASSEMBLED					
1	670-730154-4	EA	\$68.52	\$68.52	INDUCTOR, SIMULATED TRACK SAFETRAN 8V617-2000					
1	670-123298-4	EA	\$256.93	\$256.93	KIT, HARDWARE SUPPLIES REQUIRED X'ING P'CKAGES. WEB CONNECTORS FOR SHUNT(8EA) TAPE, AMPS,P'GUM PAINT,SLEEVES,TAGS,GLUE, 100 EA WHITE TAGS, JNE CAN BLUE MARKING PAINT ETC....					
1	670-745798-4	EA	\$490.26	\$490.26	LAMP ASSY, 4" GRD. MAST MTG. 1W IND. 20" BKGRD, FLX-12 W/BULB S'TRAN #042003-484XNS					
2	670-764166-4	EA	\$907.09	\$1,814.18	LAMP ASSY, 5" MAST MTG. 2W IND. 20" BKGRD, FLX-12 W/BULB S'TRAN #042003-487XNS					

APPROVED BY STATE

APPROVED BY RAILROAD

CAR NUMBER

SEAL NUMBER



Location: MT. OLIVE		IL	S&E Proj. No.: 04.0392		AFE No.: F01622		Drawing No.: BKDS44474		Page 3/4	
Store No.: 06830		P.O. Number:		Date Required:		Date Shipped:		Vendor: SW Signal Engineering Company		
Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed		Quantity Returned (Credit)	Special Instructions
6	165-643547-4	EA	\$8.43	\$50.60	LAMP, 18 WATT 10 VOLT S-11 SC BAY 18S11/1ISC CLEAR RYW SIGNAL UJ-71463 GE		Date Quan.	Date Quan.		
20	670-440826-4	EA	\$1.01	\$20.26	LINK, SAFETRAN 024620-1X INSL TESTING COMP 1 IN CENTER SIGNAL CIRCUITS CR 02-286662					
3	255-590880-4	EA	\$15.62	\$46.85	LOCK, AMERICAN LOCK MODEL H-10KA KEYED ALIKE TO PRIVATE KEYWAY D456 AND STAMPED "NS SIG"					
1	610-156588-4	EA	\$1,084.13	\$1,084.13	MAST, 5" ALUMINUM (O&O) FOR LIGHT UNIT AND BRACKET WITH DBL. JCT. BOX BASE #070519-203X-2					
1	670-637778-4	EA	\$1,055.55	\$1,055.55	MAST, 5" ALUMINUM 13'10" WITH DOUBLE JCT. BOX BASE. S'TRAN P# 070519-11AX.					
1	670-000985-4	EA	\$182.36	\$182.36	MAST, SIDELIGHT BRACKET F/5"MT. HARMON @225834-XXX, SAFETRAN 041442-26X.					
2	670-521147-4	EA	\$2,932.81	\$5,865.62	MECHANISM, GATE MODEL S40, WITH CONTACT HEATER, COMPLETE W/RELAY S'TRAN # 074000-W00090					
4	670-001347-4	EA	\$57.98	\$231.90	PACKAGE, HARDWARE SIGN 5 IN. MOUNTING, SERRMI A1250-5, HARMON @200965-000, OR					
1	670-514605-4	EA	\$8.43	\$8.43	PINNACLE, W-C SECT 1-11, 4'x 5" REF K1 110-8 OR SAFETRAN NO. @035045-503X					
1	670-555609-4	EA	\$41.11	\$41.11	PLUGBOARD, TYPE B-1 GRS A62-506 OR HARMON @7062-506 OR					
4	465-002899-4	EA	\$20.88	\$83.51	REEL, CABLE DISPOSABLE FOR CROSSING SIGNAL PACKAGES					
1	670-742096-4	EA	\$38.50	\$38.50	RELAY INTERFACE PROBE, ULTRATECH PN 16031-00					
1	670-707995-4	EA	\$356.29	\$356.29	RELAY, TYPE B1, NEV LINE, 900 OHMS, 008 AMPERES GRS A62-308 OR SAFETRAN @400003					
2	670-586967-4	EA	\$34.74	\$69.49	SHUNT COVER W/LAG SCREWS, 19"X19", SERRMI #40271, ORDER 1 PER SHUNT					

APPROVED BY STATE

APPROVED BY RAILROAD

CAR NUMBER

SEAL NUMBER

Location: MT. OLIVE		IL	S&E Proj. No.: 04.0392		AFE No.: F01622	Drawing No.: BKDS44474		Page 4 / 4			
Store No.: 06830		P.O. Number:			Date Required:		Date Shipped:		Vendor : SW Signal Engineering Company		
Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed		Quantity Returned (Credit)	Special Instructions	
							Date Quan.	Date Quan.			
2	670-652773-4	EA	\$470.56	\$941.12	SHUNT, MULTI-FREQ. #62775-1543 SAFETRAN NARROW BAND						
2	670-806648-4	EA	\$56.42	\$112.84	SIGN, X-BUCK, LESS HARDWARE, SAFETRAN 035200-X CR 02-490546						
2	670-751511-4	EA	\$35.58	\$71.17	SIGN, "1" TRACK, LESS HARDWARE SAFETRAN# 035207-1X						
2	670-006438-4	EA	\$10.54	\$21.08	TAPE, 4" X 96" REFLECTIVE APPLY TO BACK OF X-BUCK SIGN. ONLY IN IA., IN., IL., AL. 035200-555X						
1	670-330382-4	RL	\$10.75	\$10.75	TAPE, THOR 3" DURATEC, ORANGE 1000' LENGTHS. "WARNING STOP DIGGING"						
1	165-917984-4	EA	\$4.22	\$4.22	TERMINAL, TEST, TYPE B GRS A62-515 OR HARMON @32118-001 OR						
1	610-065626-4	EA	\$16.66	\$16.67	ULTRA-TECH 15206-01 CONNECTIVITY BLOCK FOR GRS B1 RELAY						
100	465-999111-4	LF	\$0.30	\$29.68	WIRE, NO.10, 1 CONDUCTOR, CASE, FLEXIBLE 37 STRAND, 3/64 IN. INSULATION-ORDER EXT.AMT. NEEDED CR 02-620502						
100	465-999161-4	LF	\$0.17	\$17.40	WIRE, NO.16, 1 CONDUCTOR, CASE, FLEXIBLE, 19 STRAND, 2/64 IN. INSULATION CR 02-620254						
1	450-986008-4	EA	\$7.35	\$7.35	WRENCH, TEST POST TYPE B DWG 55393-3, GR.1						